

## CLAIMS

1. A wireless telephone, wherein:
  - 2 (a) the wireless telephone includes:
    - 4 (1) a speaker; and
    - (2) a microphone; and
  - 6 (b) the wireless telephone is *characterized in that* it includes:
    - 8 (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;
    - (2) a voice CODEC manager software to the micro-browser or micro-client software;
    - 10 (3) a real or virtual push-to-talk (PTT) button;
    - (4) means for sending:
      - 12 (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and
      - (B) an indication that the PTT button has been depressed;
  - 14 in response to a depression of the PTT button; and
  - 16 (5) means for sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button.
2. An Internet, Intranet, or Extranet server, wherein:
  - 2 (a) the Internet, Intranet, or Extranet server includes means for storing a plurality of Internet, or Intranet or Extranet, addresses; and
  - 4 (b) the server is *characterized in that* it includes:
    - 6 (1) means for receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;

- (2) means for determining whether more than one wireless telephone has a depressed PTT button indication;
  - (3) means, responsive to more than one wireless telephone having a depressed PTT button indication, for arbitrating which wireless telephone is allowed to place a streaming voice data message on the server;
  - (4) means for placing a streaming voice data message on the server from the arbitrated wireless telephone or from a sole wireless telephone;
  - (5) means for sending the placed data to the wireless telephones at the other addresses; and
  - (6) means for dynamically grouping wireless telephones and networked computers into conferences.

### 3. A system, wherein:

- (a) the system includes a first wireless telephone, a second wireless telephone or networked computer, a first base station, a second base station, and an Internet, Intranet, or Extranet server;
  - (b) each wireless telephone includes:
    - (1) a speaker; and
    - (2) a microphone;
  - (c) the first wireless telephone is in wireless communication with a first base station;
  - (d) the first base station is in communication, through the Internet, or an Intranet or Extranet, with the server;
  - (e) the second wireless telephone is in wireless communication with a second base station;
  - (f) the second base station or networked computer is in communication, through the Internet, or an Intranet or Extranet, with the server;
  - (g) the server includes means for storing a plurality of Internet, or Intranet or Extranet, addresses;

- (h) each wireless telephone is *characterized in that* it includes:

  - (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;
  - (2) a voice CODEC manager software to the micro-browser or micro-client software;
  - (3) a real or virtual push-to-talk (PTT) button;
  - (4) means for sending:
    - (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and
    - (B) an indication that the PTT button has been depressed;

in response to a depression of the PTT button; and

  - (5) means for sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button; and

(i) the server is *characterized in that* it includes:

  - (1) means for receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;
  - (2) means for determining whether more than one wireless telephone has a depressed PTT button indication;
  - (3) means, responsive to more than one wireless telephone having a depressed PTT button indication, for arbitrating which wireless telephone is allowed to place a streaming voice data message on the server;
  - (4) means for placing a streaming voice data message on the server from the arbitrated wireless telephone or from a sole wireless telephone;
  - (5) means for sending the placed data to the wireless telephones at the other addresses; and

50 (6) means for dynamically grouping wireless telephones and networked computers into conferences.

4. The system of Claim 3, *further characterized in that* the first base station is the same as the second base station.
  5. The system of Claim 3, *further characterized in that* the first base station is different from the second base station.
  6. The system of Claim 3, *further characterized in that* the server is configured to add or remove the address of a wireless telephone on request from that wireless telephone.
  7. The system of Claim 3, *further characterized in that* the server is configured to add or remove the address of a wireless telephone on request from a device other than that wireless telephone.
  8. The system of Claim 3, *further characterized in that* the server is configured, on request from a wireless telephone, to store one or more streaming voice data messages and to forward them to the wireless telephone on subsequent request.
  9. The system of Claim 3, *further characterized in that* the system further includes at least one additional device, which is not a wireless telephone, but which has been constructed, and has been connected to the server, so as to emulate a wireless telephone.
  10. The system of Claim 9, *further characterized in that* the server is configured to add or remove the address of a wireless telephone or first device on request from a second device.

11. A method for operating a wireless telephone, wherein:

- 2       (a) the wireless telephone includes:
  - (1) a speaker; and
  - 4           (2) a microphone;
- 6       (b) the wireless telephone is *characterized in that* it includes:
  - (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;
  - 8           (2) a voice CODEC manager software to the micro-browser or micro-client software; and
  - 10          (3) a real or virtual push-to-talk (PTT) button; and
- 12      (c) the method is *characterized in that* it includes:
  - (1) depressing the PTT button;
  - 14           (2) sending:
    - (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and
    - 16           (B) an indication that the PTT button has been depressed;  
18                   in response to a depression of the PTT button;
  - 20          (3) releasing the PTT button; and
  - 22          (4) sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button.

12. A method for operating an Internet, Intranet, or Extranet server,  
2       wherein:

- 4       (a) the method includes storing a plurality of Internet, Intranet, or Extranet addresses; and
- 6       (b) the method is *characterized in that* it further includes:
  - (1) receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;

- 8           (2) determining whether more than one wireless telephone has  
10           a depressed PTT button indication;  
12           (3) if more than one wireless telephone has a depressed PTT  
button indication, arbitrating which wireless telephone is  
allowed to place a streaming voice data message on the  
server;  
14           (4) placing a streaming voice data message on the server from  
the arbitrated wireless telephone or from a sole wireless  
telephone;  
16           (5) sending the placed streaming voice data message to the  
wireless telephones at the other addresses; and  
18           (6) dynamically grouping wireless telephones and networked  
20           computers into conferences.

13. A method for operating a system, wherein:

- 2           (a) the system includes a first wireless telephone, a second wireless  
telephone, a first base station, a second base station, and an  
4           Internet, Intranet, or Extranet server;  
6           (b) each wireless telephone includes:  
6            (1) a speaker; and  
6            (2) a microphone;  
8           (c) the first wireless telephone is in wireless communication with a  
first base station;  
10           (d) the first base station is in communication, through the Internet,  
Intranet or Extranet, with the server;  
12           (e) the second wireless telephone is in wireless communication with a  
second base station;  
14           (f) the second base station is in communication, through the Internet,  
Intranet or Extranet, with the server;  
16           (g) the server includes means for storing a plurality of Internet, or  
Intranet or Extranet, addresses;  
18           (h) each wireless telephone is *characterized in that* it includes:

- (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;
  - (2) a voice CODEC manager software to the micro-browser or micro-client software; and
  - (3) a real or virtual push-to-talk (PTT) button; and

the method is *characterized in that* it includes:

  - (1) depressing the PTT button on the first wireless telephone;
  - (2) the first wireless telephone sending:
    - (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and
    - (B) an indication that the PTT button has been depressed;

in response to a depression of the PTT button, to the first base station;

- (3) the first base station sending an indication to the server that the PTT button has been depressed at the first wireless telephone;
- (4) the server arbitrating, if more than one wireless telephone has a depressed PTT button indication, which wireless telephone is allowed to place a streaming voice data message on the server;
- (5) placing the streaming voice data message on the server from the arbitrated wireless telephone or from a sole wireless telephone;
- (6) the server sending the placed streaming voice data message to the second wireless telephone through the second base station;
- (7) the second wireless telephone sending the placed streaming voice data message through the voice CODEC manager software, in response to a release of the PTT button, to the speaker; and

